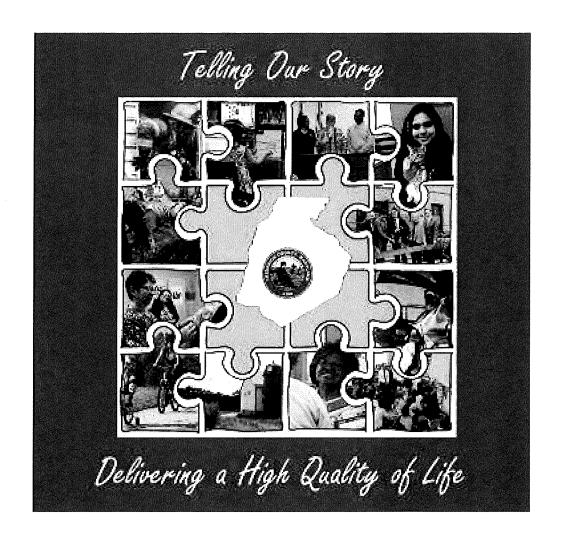
# Fiscal 2020 Adopted Operating and Capital Budgets



Jan H. Gardner, Frederick County Executive

# **Frederick County Government**

Frederick County, Maryland

# Fiscal Year 2020 Adopted Budget

July 1, 2019 – June 30, 2020



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The Frederick County Water and Sewer CIP are funded from a self-supporting enterprise fund. The enterprise obtains its revenue from fees assessed to customers for the provision of water and sewer service. The enterprise fund receives no funding contribution from the County's General Fund.

Funding for water and sewer capacity development is typically obtained through the issuance of General Obligation bonds for which the enterprise has assumed the full burden of payment. The debt service on these bonds is paid for through construction and user fees for projects that benefit existing customers. Capacity development fees, assessed by the enterprise, are based on the estimated cost of the projects approved in the CIP that are programmed for funding by the enterprise fund. A portion of the user rate funds non-growth related projects that benefit existing customers. Since the retirement of debt associated with water and sewer CIP projects is the responsibility of the enterprise, the borrowing of these bonds is not included in the General Fund portion of the County's debt affordability model.

The enterprise's six-year CIP is intended to keep pace with growth by providing the primary elements of the public water supply and sewage disposal systems. Such projects must be consistent with the County's Comprehensive Plan. The CIP also incorporates projects necessary to maintain compliance with the Federal Safe Drinking Water Act and the Clean Water Act.

The following table shows the percentage of each project funded from Water & Sewer Capacity Fees, Water & Sewer User Rates, and 3<sup>rd</sup> party funds

	% Proje	ct Cost Recov	ered By
	Capacity Fees	User Fees	3 <sup>rd</sup> Party Funds
Ballenger-McKinney WWTP Sludge Management	33%	50%	17%
Inflow & Infiltration 1 201A-S		100%	
Monrovia Water Storage Tank 2			100%
Lewistown Wastewater Treatment Plant Improvements		60%	40%
Lewistown Wastewater Collection System		60%	40%
Adamstown Gravity lines	100%		
White Rock Water line Replacement		100%	
Truck Scale at New Design Water Treatment Plant		100%	
Raw Water Intake and Pump Station Improvements		100%	
SHA Utility Relocations		100%	
Holly Hills SPS Replacement		100%	
Clay Street Waterline Replacement		100%	
Maintenance Building Expansion/Relocation		100%	
Facility Residuals Disposal		100%	
Concrete Water Tank Recoating	i.	100%	
White Rock Wtr Line Rep		100%	
Cambridge Farms WTP UV		100%	
Inflow/Infiltr Study Ph3 201C-S		100%	
New Market West WTP Bypass		100%	
All Systemics		100%	

# FY2020-2025 CAPITAL IMPROVEMENT PROGRAM

# APPROVED

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5 Costs After		0	0 879.251		0 1,505,200		0 0					3,447,251		0	0 0	0 0			0 0			0 0	0 0		0	0 0	0 0				0	0	3,447,251
2025		61,137,300						20,000,000			)	81,137,300				)			)	)		)	)			)	)	375,000	385 000		402,000	1,162,000	82,299,300
2024		2,586,000	0	0	0	0	0	20,000,000	0	0	0	25,586,000		0	0	0	0	0	0	0		0	490,000	0	0	0	0	375,000	385 000		402,000	1,652,000	27,238,000
2023		0	0	0	0	0	0	20,000,000	0	0	0	20,000,000		0	0	0	0	0	0	0		0	390,000	0	0	0	0	372,000	385 000		402,000	1,549,000	21,549,000
2022	The state of the s	0	0	0	0	0	0	20,000,000	0	0	0	20,000,000	CONTRACTOR	0	0	0	0	0	0	0		600,000	0	0	0	0	0	370,000	385 000		385,000	1,740,000	21,740,000
2021		0	0	250,000	0	0	0	20,000,000	0	0	0	20,250,000	and the state of the first season of the state of the sta	0	383,500	0	0	0	0	2,675,000		90,000	480,000	0	0	0	0	368,000	385.000		385,000	4,766,500	25,016,500
2020		0	0	250,000	0	0	2,865,000	20,000,000	000,099	535,000	3,215,600	27,525,600		400,000	254,000	2,002,000	250,000	505,000	585,000	1,330,000		0	380,000	900,000	750,000	200,000	200,000	364,000	1.160.000		585,000	9,865,000	37,390,600
Prior		0	0	0	0	0	313,000	50,000,000	2,576,000	985,000	0	53,874,000		2,206,800	0	1,218,000	1,177,261	0	315,000	150,000		0	405,000	893,000	118,000	275,725	0	460,000	435,000		940,000	8,593,786	62,467,786
Total Project		66,723,300	879,251	500,000	1,505,200	1,062,800	3,178,000	170,000,000	3,236,000	1,520,000	3,215,600	251,820,151		2,606,800	637,500	3,220,000	1,427,261	505,000	000,000	4,155,000		690,000	2,145,000	1,793,000	868,000	475,725	200,000	2,309,000	3.135.000		3,099,000	28,166,286	279,986,437
6-Year		66,723,300	0	500,000	0	0	2,865,000	120,000,000	000,099	535,000	3,215,600	194,498,900		400,000	637,500	2,002,000	250,000	505,000	585,000	4,005,000		690,000	1,740,000	900,000	750,000	200,000	200,000	2,224,000	3.085.000		2,561,000	20,734,500	215,233,400
	Project Capacity	Ballenger-McKinney WWTP Sludge Management	Sewerage Problem Area Remediation	Inflow & Infiltration 1 201A-S	Linganore Interceptor 1 - Lower Reach	Linganore Interceptor 2 - Upper Reach	Water Storage Tank 2	Developer-Funded Infrastructure	Lewistown Wastewater Treatment Plant	Lewistown Wastewater Collection System	Adamstown Gravity Sewer Lines, Phase 1	Total: Capacity	Maintenance	White Rock WWTP Replacement	Truck Scale at New Design Water	Raw Water Intake and Pump Station	SHA Utility Relocations	Holly Hills SPS Replacement	Clay Street Waterline Replacement	Maintenance Building Expansion/	Relocation	Facility Residuals Disposal	Concrete Water Tank Recoating	White Rock Wtr Line Rep	Cambridge Farms WTP UV	Inflow/Infiltr Study Ph3 201C-S	New Market West WTP Bypass	DUSWM Maintenance Systemics - Ballenger Wastewater	DUSWM Maintenance Systemics - Small	Systems Wastewater	DUSWM Maintenance Systemics - Water	Total: Maintenance	Total Expense

# FY2020-2025 CAPITAL IMPROVEMENT PROGRAM APPROVED WATER AND SEWER

	6-Year	Total Project	t Prior	2020	2021	2022	2023	2024	2025	2025 Costs After
FUNDING										
Enterprise Fee & Bonds	78,895,439		92,618,212 11,804,786 12,395,600	12,395,600	5,016,500	1,740,000	5,016,500 1,740,000 1,549,000	6,288,380 51,905,959	51,905,959	1,917,987
Grants	1,945,000		0	1,945,000	0	0	0	0	0	0
Other	134,392,961		50,663,000	23,050,000	20,000,000	20,000,000	20,000,000	20,949,620	30,393,341	1,529,264
Total Funding Source	215,233,400		62,467,786	37,390,600	25,016,500	21,740,000	21,549,000	27,238,000	281,148,437 62,467,786 37,390,600 25,016,500 21,740,000 21,549,000 27,238,000 82,299,300 3,447,251	3,447,251



Capital Project Number: WS1001

Capital Project Title: Ballenger-McKinney WWTP Sludge

Management

Region: Countywide

Activity #:

Asset Category: Water & Sewer

Est Completion Date: 12/31/2026

**Asset Type: Capacity** 

Year Identified: 2010

Capital Project Status: Active

#### Capital Project Description:

This project was formally known as "McKinney WWTP Phase 1" and includes the design and construction of the first phase (15 MGD) sludge management improvements in accordance with the Ballenger Creek/McKinney WWTP Facility Plan dated March 2006. Per the Facility Plan, improvements are required when the average daily flow reaches 10 MGD. The City of Frederick's portion is assumed to be 17% of the project cost.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	5,933,550						5,586,000	347,550	
Construction - County Funded	56,080,500	d Allahad Miller (1966) in territorio conservamente conservato (1966).	and the second and the second		er (Arabata ett patti talti talti talli oli attistoli.	The same of the control of the contr		56,080,500	
Inspectors - County	1,643,250	el alternación de el en casel en accidente en esta esta esta en el casa com	- A con-less When the best or a con-other statement which	Anthropological and the first of the first o	and the self-through the commission of the self-through through the self-t			1,643,250	
Overhead	388,500	and the contribution of the terms to be the concession of the party of	haddest for Petri Brandelson i dittera annotament material		and the transfer and and attenues (Attacker and Land Language State	er mederam meteritaritem radam 1990 hater		388,500	\$40
Capitalized Interest Expense	2,677,500	AND		Annual termination of the second of the seco	and the second of the second o	produced to the control of the contr		2,677,500	Annania - anna anna anna anna anna anna a
Total Cost:	66,723,300						5,586,000	61,137,300	

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Municipal	11,342,961						949,620	10,393,341	
Trans from W/S Cash Fund	2,677,500			and the second and an artist of the second s	dende talan da territari			2,677,500	TENNANDO ANT SEMESTRO-O A SAMOOTO ANT SELECT
Enterprise Fund Bonds	52,702,839	TO A Committee Control of the same hill assemble in head and assemble	nene ener errenan och etteranalist och enerel	gander til med med av meg av en en en en en en en egant te	e broom brobbour hamma aroun ham a una		4,636,380	48,066,459	(20 million of the original of the first of the original of th
Total Cost:	66,723,300						5,586,000	61,137,300	



Capital Project Number: WS1002

Activity #:

Capital Project Title: Sewerage Problem Area Remediation

Region:

Asset Category: Water & Sewer

**Est Completion Date:** 

**Asset Type: Capacity** 

Year Identified: 2010

Capital Project Status: Active

#### **Capital Project Description:**

This project serves as a placeholder to remediate sewage problem areas (failing septic systems) as needed.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	62,351					010000000000000000000000000000000000000			62,351
Architect/Engineering	112,350		essecuence e construir e e e e e e e e e e e e e e e e e e e	ACTION AND CONTRACTOR OF CONTRACTOR AND CONTRACTOR OF CONT					112,350
Construction	605,850		eren erromen vide okravelitek (f. 1919)		PROGRAMO SA PROGRAMO AND RESIDENCE PROGRAMO PROG	A THE PROPERTY OF THE PROPERTY AND ADDRESS.	Commission of the Commission o	Commission and Commis	605,850
Inspectors - County	29,400			a 1997 de de cale constituir de constituir d					29,400
Overhead	29,400		Citis sur no material de contratamente como			onggagamiliand#idlima************************************	And the state of t	The second secon	29,400
Capitalized Interest Expense	39,900			personal community and a personal community and a second community a			or illustration of their stemptopological and an		39,900
Total Cost:	879,251							feets et al., in 2 No. 1	879,251

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	39,900		2-00-00-00-00-00-0-00-00-00-00-00-00-00-	Series (1997) Annual Control of Control of Control					39,900
Enterprise Fund Bonds	839,351	mineral Print and a first miles of the mineral and							839,351
Total Cost:	879,251								879,251



Capital Project Number: WS1009

Activity #: 81002.3999.01

Capital Project Title: Inflow & Infiltration 1 201A-S

Region:

Asset Category: Water & Sewer

**Est Completion Date:** 

**Asset Type: Capacity** 

Year Identified: 2010

Capital Project Status: In Progress

#### **Capital Project Description:**

Project includes efforts to identify I/I sources and make sewer system repairs in the Ballenger Creek, Monocacy, and Fountaindale sewer basins. Field flow and TV will be collected by DUSWM Operations or a contractor. The data will be interpreted by DUSWM staff or a consultant engineer and recommendations for necessary corrections shall be made. The repairs will be made by Operations staff or a contractor.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	150,000			150,000					
Construction - County Funded	100,000			100,000	vold Timble Construct Children volumes becomes an			CHIP of the division in the related in the later consequence	Commence of the commence of th
Overhead	250,000	(*************************************	250,000		T-YES C'ANTESTE TEACHER SEASON AND	Terino, mode immensorman monte man, n.			Marti-Marretidadoli-es-lineacean corre
Total Cost:	500,000	100	250,000	250,000		1000	100		

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	500,000		250,000	250,000					
Total Cost:	500,000		250,000	250,000					



Capital Project Number: WS1012

Activity #:

Capital Project Title: Linganore Interceptor 1 - Lower Reach

Region:

Asset Category: Water & Sewer

**Est Completion Date:** 

**Asset Type: Capacity** 

Year Identified: 2010

**Capital Project Status: Active** 

#### **Capital Project Description:**

Existing pipe unable to meet projected build out peak flows without surcharging. Replacement eliminates pipe segments with sags, reverse slopes, and inflow & infiltration. Projected need between year 2015 and 2025. Information is pursuant to the March 2004 Interceptor Sewer Capacity Analysis prepared by Whitman, Requardt and Associates.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	216,200		entransia (Tapia) (Impolarizationa			bilandiada			216,200
Construction - County Funded	1,173,000	namamanan membadi dalah dalah bir	, may any commentation or design or other section and the		au america de secunida de la composição de	Sandillo Color Col			1,173,000
Inspectors - County	38,000	annament orientalistic of the control of the contro				/m/cming-ng-ng-ng-ng-ng-ng-ng-ng-ng-ng-ng-ng-n	Average contraction of the contr	Service and the service and th	38,000
Overhead	38,000		militarian militaria di distributi di referenza en empresa procesa		Company and Company of the Company o	The second secon			38,000
Capitalized Interest Expense	40,000		The state of the s			Anni O'Deni (I's en monerous anni anni			40,000
Total Cost:	1,505,200								1,505,200

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	831,164		27746-6-2000301729-4-5-200-0-0-0-0		para 2000 1 (1			Land to the state of the state	831,164
Trans from W/S Cash Fund	40,000								40,000
Enterprise Fund Bonds	634,036		eren aren orresaenen ola (2006) ola (2007)						634,036
Total Cost:	1,505,200								1,505,200



Capital Project Number: WS1013

Activity #:

Capital Project Title: Linganore Interceptor 2 - Upper Reach

Region:

Asset Category: Water & Sewer

**Est Completion Date:** 

**Asset Type: Capacity** 

Year Identified: 2010

Capital Project Status: Active

#### **Capital Project Description:**

Interceptor is unable to meet 2025 flows without surcharging. Replacement eliminates existing sewers with reverse slopes and sags, with the new pipe sized for build out flows. Information is pursuant to the March 2004 Interceptor Sewer Capacity Analysis prepared by Whitman, Requardt and Associates.

#### Cash Requirement Schedule:

Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
147,500								147,500
778,600	Malamaa aa mada baraa aa	Bankardo e anticipamento e e e que que grego que grego de la compansión de la compansión de la compansión de l	namelikali 1900. olong mga aga termanan tangkar 1919 tida asala S	aledidoslaroveros estados esta			y lehtholide is en oue-volumen, er wenne	778,600
42,850	den harden som det der 1900 for der den state den det en state de state de la section	The title and the electric continuents to accompany when we	ar Andrewson America (America polytrope (Sec., 1974, 1974, 1975) and the	dell'i della dilla di della		Market Committee States and Committee of the Committee of	at 1880 illustines i dallo Parrelane nai ne	42,850
42,850	CONTRACTOR	Totalia Dalimatel Contra versi vina versi		TO CHARLES WAS A Removed on the systems		Anno con an east anno major confirstory	A Salah Sala	42,850
51,000		triken "merkheliler "mulmelumu umrumrum euro era era era	a e ta a a ta ta ta a ta a ta a ta a ta	at Contributed Pauline Lauren von 12 ye 1450 og 12 menne gregor	a had considerable to the street was remaining a consumer of the street	and the sale of the sale and the sale of t	V. ell t. i lishid milat Tiachammanoo madaa.	51,000
1,062,800								1,062,800
	Total 147,500 778,600 42,850 42,850 51,000	Total Budget  147,500   778,600   42,850   42,850   51,000	Total Budget 2020  147,500	Total         Budget         2020         2021           147,500   778,600   42,850	Total         Budget         2020         2021         2022           147,500   <td>Total         Budget         2020         2021         2022         2023           147,500  </td> <td>Total         Budget         2020         2021         2022         2023         2024           147,500   <t< td=""><td>Total         Budget         2020         2021         2022         2023         2024         2025           147,500  </td></t<></td>	Total         Budget         2020         2021         2022         2023           147,500	Total         Budget         2020         2021         2022         2023         2024           147,500   <t< td=""><td>Total         Budget         2020         2021         2022         2023         2024         2025           147,500  </td></t<>	Total         Budget         2020         2021         2022         2023         2024         2025           147,500

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	698,100								698,100
Trans from W/S Cash Fund	51,000	a and an internal control of the desire and a country of control of the additional to the control of the additional to the control of the con	o facilità commence Consengazione a constituti di se	deland and transferred a section to the region and a latter the Valencian Sanda				charliel i a britantes ramoras conservos em	51,000
Enterprise Fund Bonds	313,700		**************************************	فللم الميناني و في المستقدات المستقد				n 19 Carl and Colombia Salaman (Production Colombia) (Salaman Production Colombia)	313,700
Total Cost:	1,062,800								1,062,800



Capital Project Number: WS1023

Capital Project Title: Water Storage Tank 2

Asset Category: Water & Sewer

**Asset Type: Capacity** 

Capital Project Status: Active

Activity #: 11284.1105.01

Region:

**Est Completion Date:** 

Year Identified: 2015

#### Capital Project Description:

Developer Funded project for design and construction of a new 1.0 MG elevated water storage tank located in the vicinity of Ed McClain and Green Valley Roads (Monrovia). Memorandum of Understanding between developer(s) and Frederick County has been executed.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	253,000	253,000							
Construction - County Funded	2,725,000		2,725,000				w 1.00 - 0.25 - 10.27 - 10.27 - 10.27 - 10.27 - 10.27 - 10.27 - 10.27 - 10.27 - 10.27 - 10.27 - 10.27 - 10.27	60	gggg gyannangganggangananan manananan arabis ka
Inspectors - County	140,000		140,000						
Overhead	60,000	60,000							estas es comunicación de Significação Significação
Total Cost:	3,178,000	313,000	2,865,000						

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	3,178,000	313,000	2,865,000				1	anorma maranamana portado (1960).	
Total Cost:	3,178,000	313,000	2,865,000						



Capital Project Number: WS1028

Activity #: 81001.3999.01

Capital Project Title: Developer-Funded Infrastructure

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 6/30/2024

**Asset Type: Capacity** 

Year Identified: 2016

**Capital Project Status: Active** 

#### **Capital Project Description:**

Project contains all developer-funded water and sewer projects constructed under Public Works Agreements (PWAs) and Public Improvement Agreements (PIAs) and includes all sub-projects necessary to track different information. The amounts budgeted are estimates only.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction - Developer	170,000,000	50,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20.000.000	20,000,000	
Funde						,,			
Total Cost:	170,000,000	50,000,000	20,000,000	20,000,000	20.000.000	20,000,000	20.000.000	20.000,000	

	Project	Prior							
Categories	Total	Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	170,000,000	50,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	
Total Cost:	170,000,000	50,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	



Capital Project Number: WS1032

Asset Category: Water & Sewer

Activity #: 21182.1211.01

Capital Project Title: Lewistown Wastewater Treatment

Region:

Plant Improvements

**Est Completion Date:** 

**Asset Type: Capacity** 

Year Identified: 2017

Capital Project Status: In Progress

#### **Capital Project Description:**

The DUSWM currently maintains a sand mound system which serves the Elementary School and Fire Station. This project includes study, design, and construction services required to replace the existing system with a more conventional package treatment system. The engineering study included in this project will identify detailed sizing and other design parameters.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	416,500	301,500	115,000						
Construction - County Funded	2,447,000	2,115,000	332,000						
Inspectors - County	104,500	104,500							J.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Overhead	268,000	55,000	213,000						
Total Cost;	3,236,000	2,576,000	660,000						

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	960,000		960,000						
Trans from RR&R	2,276,000	1,000,000	1,276,000						
Proceeds - Loans	0	1,576,000	-1,576,000	V Q B C C C C C C C					
Total Cost:	3,236,000	2,576,000	660,000						



Capital Project Number: WS1033

Activity #: 21183.1211.01

Capital Project Title: Lewistown Wastewater Collection

Region:

System

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Asset Category: Water & Sewer

**Est Completion Date:** 

**Asset Type: Capacity** 

Year Identified: 2017

Capital Project Status: In Progress

#### **Capital Project Description:**

This project includes the design and construction of a low pressure sewer/grinder pump collection system to serve a yet to be defined service area in Lewistown. Funding is expected from a MDE grant and a benefit assessment (BA) may be levied against each property to be served. An amendment to the County Water and Sewerage Plan has been completed to create this service area.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	15,000		15,000						
Architect/Engineering	196,000	120,000	76,000	CTORETTO CTTT (Adv. In shore more, remeans,		Color Cold Color C	one chillings of commissions are consumptions.	e e e e e e e e e e e e e e e e e e e	
Construction - County Funded	1,029,000	735,000	294,000	deliterativa i last antidelli essitutes an eren s'assurrancese			falle for the Person encountries and accommon		
Inspectors - County	85,000	85,000	reterribusion in annual the side is to conjude a some figure	etti tili allamblist skin filotophy trebuvorsk	and make the house the policy of a communication		alad landard a maramana a en sussan sussan	phonone and the section in particularly in the foreign time for the families	
Overhead	195,000	45,000	150,000	ACTOPORTION TO A STREET AND A STREET, AND A	PRESENT A BARBARON COMPANY OF THE STREET OF	AND	ATTENDED TO STATE OF THE PROPERTY OF THE PROPE		
Total Cost:	1,520,000	985,000	535,000					Language Co.	1

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	985,000		985,000						
Cap Contr - Property Owners	535,000	350,000	185,000		10041001010000000000000000000000000000	The state of the control of the cont	province a reconstructive or one agreement, some of 1999		
Proceeds - Loans	0	635,000	-635,000	The second secon			portion of the control of the contro	Para tan talah taran salah	***************************************
Total Cost:	1,520,000	985,000	535,000					10 P 10 P 10	



Capital Project Number: WS1055

Activity #: 21341.1236.01

Capital Project Title: Adamstown Gravity Sewer Lines,

Region: Adamstown

Phase 1

Region. Adamstown

Asset Category: Water & Sewer

Est Completion Date: 2/28/2021

**Asset Type: Capacity** 

Year Identified: 2020

**Capital Project Status: Active** 

#### **Capital Project Description:**

Project includes design and construction of approximately 5,100 LF of 8-inch gravity sewer, manholes, service connections, and surface restoration. Alignment generally runs along the south side of the railroad R/W from Doubs Road SPS, across Mountville Road, to and along 500 feet of Adamstown Road. Budget also includes cost of easement document preparation and acquisition. Contract No. 147C-S.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	222,000		222,000	Garagastanto Tenero e e e e e e e e e e e e e e e e e e					
Architect/Engineering	379,500	9,3 mg, mg, g mg, g mg, g m, m m m m m m m	379,500						
Construction - County Funded	2,300,000		2,300,000			1			
Inspectors - County	102,000	en manuscript (Self-Constitution Constitution)	102,000	20,000 00 00000000000000000000000000000					
Project Management	44,500		44,500	2000					
Overhead	167,600		167,600						
Total Cost:	3,215,600		3,215,600						

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S System	3,215,600		3,215,600						
Develop					1			I.	
Total Cost:	3,215,600		3,215,600						



Capital Project Number: WS1019

Activity #: 21165.1210.01

Capital Project Title: White Rock WWTP Replacement

Region:

Asset Category: Water & Sewer

**Est Completion Date:** 

Asset Type: Maintenance

Year Identified: 2002

Capital Project Status: In Progress

#### **Capital Project Description:**

Study, design, and construction of a replacement WWTP for White Rock.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	297,800	297,800							
Construction - County Funded	1,715,500	1,315,500	400,000		and the second control of the second type of Special Life on 1995 (Section 1994) (Sec. 1995)				Part Continues - Consumer communic
Inspectors - County	52,000	52,000	halan di Salah Mara Salah Karandara da Karan	that the tit till destablisher i troor or trees er er en soos och er		DOUBLE CONTRACTOR WELLOW SERVICES	The state of the s	ARREST CONTROL OF THE STATE OF	
Overhead	401,500	401,500	PRODUCTION OF THE PRODUCTION OF THE PROPERTY O	i ini ilia di mana di m		. W. D. P. S. W. Phillips and Johnson	CONTROL THE SECOND STANDARD CONTROL CONTROL AND ADDRESS OF THE SECOND STANDARD CONTROL AND ADDRESS OF THE SECON		
Capitalized Interest Expense	140,000	140,000		o contratabilità da cur una comenzation i a sente c			Per Childrian descholarismeter un er en		
Total Cost:	2,606,800	2,206,800	400,000					,	

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	569,773	549,773	20,000	PARENTAL PERSONAL PROPERTY OF STATE					
Enterprise Fund Bonds	2,037,027	1,657,027	380,000	el disine in energy som som som som som so	indicated a construction of the designation of the polytopic of the polyto		Antonia materiare de la compresión de la c		end ett indicateur bereiten et in en de
Total Cost:	2,606,800	2,206,800	400,000						



Capital Project Number: WS1035

Activity #: 11338.1105.01

Capital Project Title: Truck Scale at New Design Water

Region:

**Treatment Plant** 

**Est Completion Date:** 

**Asset Type: Maintenance** 

Year Identified: 2017

**Capital Project Status: Active** 

Asset Category: Water & Sewer

#### **Capital Project Description:**

Project includes design and construction services required to install a truck scale to weigh dried residuals that are produced by the water treatment process and then hauled to an approved disposal site.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	100,000		100,000		an version and an extension an extension and an extension and an extension and an extension	The second secon			
Construction - County Funded	381,500			381,500					
Inspectors - County	75,000		75,000						
Overhead	50,000		50,000						
Capitalized Interest Expense	31,000		29,000	2,000					
Total Cost:	637,500		254,000	383,500					

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	31,000	1112 - 1115 1 - 1115 1 - 1115 1 - 1115 1 - 1115 1 - 1115 1 - 1115 1 - 1115 1 - 1115 1 - 1115 1 - 1115 1 - 1115	29,000	2,000					
Enterprise Fund Bonds	606,500		225,000	381,500					
Total Cost:	637,500		254,000	383,500					



Capital Project Number: WS1037

Activity #: 11208.1105.01

Capital Project Title: Raw Water Intake and Pump Station

Region:

Improvements

\_

Asset Category: Water & Sewer

**Est Completion Date:** 

Asset Type: Maintenance

Year Identified: 2018

Capital Project Status: In Progress

#### Capital Project Description:

A raw water pump station conveys untreated water from the Potomac River intake structure to the New Design Water Treatment Plant for treatment. There have been issues with debris/sediment and ice accumulation at the intake channel and on the screens so Hazen was retained to investigate and provide recommendations. In addition, Hazen investigated the existing sluice gate hydraulic operators to determine if they should be replaced or repaired. Hazen's study titled "New Design Road Water Treatment Plant Water Intake Structure Modifications Options Analysis" (October 12, 2016) provided the following recommendations that define the design and construction scope for this project:

- 1. Installation of a full channel aeration grid to eliminate accumulation of sediment and ice in the intake channel.
- 2. Installation of a small diffuser grid behind the bar racks and a heating system to deice the intake screens.
- 3. Replacement of five sluice gate hydraulic operators and one hydraulic power unit.
- 4. Design shall also address cleaning the screens and channel and a pumping plan to maintain plant operation during construction.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	257,000	165,000	92,000						
Construction - County Funded	2,525,000	825,000	1,700,000		e e e e e e e e e e e e e e e e e e e				to the fact that the state of t
Inspectors - County	195,000	85,000	110,000	Production of the sale of the sales of the s			Constitution Constitution is a		
Overhead	185,000	85,000	100,000		er i salamani erakteria sante remanaria era era escular				distributed to the international and the entropy was
Capitalized Interest Expense	58,000	58,000		rolembra drek kilomedikar errille diserbasek sukarren				Probabile te en encoulos de acuardo de la terrarea	
Total Cost:	3,220,000	1,218,000	2,002,000						

Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
58,000	58,000		n Calabi (Calabi Calabi (Calabi (Calab					
306,827	80,000	226,827	and the and the street were well-			The control of the co		National Address of School Sch
2,855,173	1,080,000	1,775,173					The state of the s	
3,220,000	1,218,000	2,002,000						
	Total 58,000 306,827 2,855,173	Total         Budget           58,000         58,000           306,827         80,000           2,855,173         1,080,000	Total         Budget         2020           58,000         58,000                     306,827         80,000         226,827           2,855,173         1,080,000         1,775,173	Total         Budget         2020         2021           58,000         58,000                     306,827         80,000         226,827           2,855,173         1,080,000         1,775,173	Total         Budget         2020         2021         2022           58,000         58,000                               306,827         80,000         226,827                     2,855,173         1,080,000         1,775,173	Total         Budget         2020         2021         2022         2023           58,000         58,000   <	Total         Budget         2020         2021         2022         2023         2024           58,000         58,000	Total         Budget         2020         2021         2022         2023         2024         2025           58,000         58,000



Capital Project Number: WS1040

Capital Project Title: SHA Utility Relocations

Asset Category: Water & Sewer

Asset Type: Maintenance

Capital Project Status: Active

Activity #: 81005.3999.01

Region: Countywide

**Est Completion Date:** 

Year Identified: 2018

#### Capital Project Description:

Project purpose is to provide funds as needed to fund County water and sewer relocations required by State Highway Administration (SHA) road and bridge projects. The County is typically responsible for these relocation costs when the SHA has prior rights within their right-of-way. As SHA projects are identified that impact the existing water/sewer system, separate utility relocation projects will be created.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	75,000	75,000	-0.000						
Construction - County Funded	1,027,261	777,261	250,000				Western Sweet Zie State of Transaction		
Inspectors - County	75,000	75,000		American Control of the Control of t					
Overhead	250,000	250,000							
Total Cost:	1,427,261	1,177,261	250,000						

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	1,427,261	1,177,261	250,000						
Total Cost:	1,427,261	1,177,261	250,000						



Capital Project Number: WS1045

Capital Project Title: Holly Hills SPS Replacement

Asset Category: Water & Sewer

Asset Type: Maintenance

Capital Project Status: Active

Activity #: 21339.1206.01

Region: Countywide

Est Completion Date: 11/27/2020

Year Identified: 2019

#### Capital Project Description:

The project includes design and construction services required to replace the existing sewage pump station with a new wet well mounted or submersible station, controls, and security fencing.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	75,000		75,000						
Construction - County Funded	400,000		400,000	hill are service or no recommendate and a service					Conformation varieties and accessories
Inspectors - County	20,000	So account constant contrate account (1992)	20,000	Tribitiniste til sille i stelesse er to mene som					
Project Management	10,000		10,000	ting the second section of the section of the second section of the second section of the second section of the sect			til detteller a men en som anna anna anna anna anna anna anna an		
Total Cost:	505,000		505,000					200	10 (F)

Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
35,000	2000 CONTRACTOR (2000) (2000) (2000) (2000) (2000)	35,000					1	
470,000	manne more anne en me menerale esperiger,	470,000		er telementeleste tremen i de projekteret (Sp. 187 Liberalisans)	The second secon			
505,000		505,000			Call 240 To			
	Total 35,000 470,000	Total Budget   35,000   470,000	Total         Budget         2020           35,000         35,000           470,000         470,000	Total         Budget         2020         2021           35,000         35,000           470,000         470,000	Total         Budget         2020         2021         2022           35,000         35,000         470,000         470,000	Total         Budget         2020         2021         2022         2023           35,000         35,000         470,000	Total         Budget         2020         2021         2022         2023         2024           35,000         35,000	Total         Budget         2020         2021         2022         2023         2024         2025           35,000         35,000         470,000         47



Capital Project Number: WS1046

Activity #: 11278.1109.01

Capital Project Title: Clay Street Waterline Replacement

Region:

Asset Category: Water & Sewer

Est Completion Date: 12/20/2019

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: In Progress

#### **Capital Project Description:**

Project includes design and construction services required to replace the existing water main between Ballenger Creek Pike and Bank Street in Point of Rocks. New 8-inch water main is approximately 1,100 LF in length and new service laterals are included.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	0	5,000	-5,000						
Architect/Engineering	68,000	50,000	18,000						
Construction - County Funded	653,000	220,000	433,000	PASSAGE TANKEN TO SECUL STREET	(EU-HINEIDAN				
Inspectors - County	28,000	25,000	3,000						
Project Management	0	15,000	-15,000	ent e Titte Villation est enteretischen deutschaft untwerfe					
Overhead	103,000		103,000	Power reconstruction of the second					
Capitalized Interest Expense	48,000	ĺ	48,000	Milliodian demonstrated by Apple Anny Special 1990.					
Total Cost:	900,000	315,000	585,000	100					

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	48,000	31,500	16,500						
Enterprise Fund Bonds	852,000	283,500	568,500	Later grande and the Control of the					
Total Cost:	900,000	315,000	585,000						



Capital Project Number: WS1047

Capital Project Title: Maintenance Building

Expansion/Relocation

Asset Category: Water & Sewer

Asset Type: Maintenance

Capital Project Status: In Progress

Activity #: 21281.1206.01

Region: Countywide

Est Completion Date: 12/31/2021

Year Identified: 2019

#### **Capital Project Description:**

This project involves preparation of a Facility Plan to identify and analyze possible options to expand or relocate the DUSWM Maintenance Building/Operation currently located on Marcies Choice Lane. Project includes funds to execute approved options which could include purchase and development of a new site, redevelopment of the existing site, renovation of the existing building, or a combination of these options.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	1,000,000		1,000,000						
Architect/Engineering	500,000	125,000	300,000	75,000		ALPHANOS MERRO PARA VARIO ARRESTA ARALAMA		re francisco (m. 1880) e mentante	******************************
Construction - County Funded	2,500,000	**************************************		2,500,000				and Santifold American Complete Personality and the Complete Compl	TO THE STREET, AND ADDRESS OF A CONTROL DESCRIPTION OF THE
Inspectors - County	75,000	of the De Pharmacher and American Standards and American		75,000	to or discover to the end of the desire and debusiness of			the desired the desired and residence the converse through a second section of the converse through the converse t	***
Project Management	80,000	25,000	30,000	25,000	eroldinolinencolero como es receso a				
Total Cost:	4,155,000	150,000	1,330,000	2,675,000					

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	550,500	150,000	133,000	267,500					
Enterprise Fund Bonds	3,604,500		1,197,000	2,407,500	A	No. Deviloration of the Control of t			\$1000000000000000000000000000000000000
Total Cost:	4,155,000	150,000	1,330,000	2,675,000		and the			



Capital Project Number: WS1049

Capital Project Title: Facility Residuals Disposal

Asset Category: Water & Sewer

**Asset Type: Maintenance** 

**Capital Project Status: Active** 

Activity #:

Region: Countywide

Est Completion Date: 11/25/2022

Year Identified: 2019

#### **Capital Project Description:**

Project includes the study, design, and construction services required to provide a more efficient method of disposing of waste collected by the vac-truck. Study will evaluate various options which could include modification to existing headworks at the Ballenger-McKinney WWTP or construction of a separate facility.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	175,000		2000,1000,000,000,000,000,000,000,000	75,000	100,000				
Construction - County Funded	400,000	MILLION CONT. SALES AND			400,000				
Inspectors - County	25,000	FT-72-FTH (1-1-1) (100) (1-1-1)			25,000				M
Project Management	30,000	manuser, communication and art of the first of the control of the		10,000	20,000				
Overhead	30,000	e gang processor and response to the control of the		5,000	25,000	000			
Capitalized Interest Expense	30,000		recommon error man har subtract of supplied	AMBERTOCKITT CITE COLLY ACCOUNT COLUMN COLUM	30,000				
Total Cost:	690,000			90,000	600,000				

Categories	Project Total	Prior Budget	. 2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	120,000	(400 (200		90,000	30,000			- Name and the second	
Enterprise Fund Bonds	570,000	Marie III II - Albert - Grito-Africa - America			570,000				
Total Cost:	690,000			90,000	600,000				



Capital Project Number: WS1050

Activity #: 81018.3999.01

Capital Project Title: Concrete Water Tank Recoating

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 10/3/2025

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

#### **Capital Project Description:**

The County currently has five concrete water storage tanks of various ages; two at New Design WTP, Jordan, East County, and Hannover. This project involves the repair and cementitious painting of the exterior wall/roof surfaces. Each tank will be scheduled for this work based upon its condition as recommended by our tank inspection program.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	275,000	75,000	50,000	50,000		50,000	50,000		
Construction - County Funded	1,450,000	250,000	250,000	350,000	tin til fill der men er en er en er filmer formaler med en en eine er elde en en er	250,000	350,000	makan salah ana sayay daya a 1 ya 2991 .	Proposed Medical technologists Make the control of
Inspectors - County	185,000	35,000	35,000	35,000		40,000	40,000	***************************************	
Project Management	50,000	10,000	10,000	10,000	Artina Antonio Amerika, principa y marina proprincipa de	10,000	10,000	VALUE OF THE SECTION	
Overhead	185,000	35,000	35,000	35,000	mendend or decimal manners, prompter in the standard con-	40,000	40,000	e te de transcription de la contraction de la co	
Total Cost:	2,145,000	405,000	380,000	480,000		390,000	490,000		

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	2,145,000	405,000	380,000	480,000		390,000	490,000		
Total Cost:	2,145,000	405,000	380,000	480,000		390,000	490,000		•



Capital Project Number: WS1051

Capital Project Title: White Rock Wtr Line Rep

Asset Category: Water & Sewer

Asset Type: Maintenance

Capital Project Status: In Progress

Activity #: 11111.1131.01

Region:

**Est Completion Date:** 

Year Identified:

#### **Capital Project Description:**

Design and construction of replacement waterlines in White Rock subdivision shall be coordinated with the DPW roadway project. The project includes installation of new water main, water house connections, and may include fire hydrants.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	109,900	173,900	-64,000	//////////////////////////////////////		0,27-0000-000-00-00-00			
Construction - County Funded	1,224,000	654,000	570,000		Section 100 Control Control Control Control				
Inspectors - County	40,000	40,000			\$100.00 TO SEE THE SEE				
Overhead	201,000	18,000	183,000	~					
Capitalized Interest Expense	218,100		218,100	CONTRACTOR					]
Capital - Furniture / Equipmen	0	7,100	-7,100	-11-VIIIIII17-0-11-1					
Total Cost:	1,793,000	893,000	900,000						

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	915,000	465,000	450,000	COLO A TOTAL COLO COLO COLO DE COLO COLO COLO COLO COLO COLO COLO COL					
Enterprise Fund Bonds	878,000	428,000	450,000					- Company of the Comp	A THE STREET
Total Cost:	1,793,000	893,000	900,000						



Capital Project Number: WS1052

Activity #: 11113.1142.01

Capital Project Title: Cambridge Farms WTP UV

Region:

Asset Category: Water & Sewer

**Est Completion Date:** 

Asset Type: Maintenance

Year Identified:

Capital Project Status: In Progress

#### **Capital Project Description:**

Project includes the design and construction of an expansion of the existing Cambridge Farms Water Treatment Plant, relocation of the generator, piping modifications, new chemical storage room, UV disinfection, and filtration systems.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	102,000	27,000	75,000						
Construction - County Funded	675,000	75,000	600,000	erneture souther an engine of the complete of	de de Principa China de Maria de Adriant de Communicación de America de Computación de Computaci		the probabilities with the second second second second second		
Inspectors - County	35,000	10,000	25,000			placed Assertance and accommode and accommode		CT MED TO COLOR OF THE COLOR OF	Of the reservoir seasons and a second second second second
Overhead	56,000	6,000	50,000	a tomo y a salata antiqua antique grant que que que que que que que		of the management of the second			
Total Cost:	868,000	118,000	750,000						

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025 Costs	s After
Trans from W/S Cash Fund	868,000	118,000	750,000		T				
Total Cost:	868,000	118,000	750,000						



Capital Project Number: WS1053

Activity #: 81004.3999.01

Capital Project Title: Inflow/Infiltr Study Ph3 201C-S

Region:

**Asset Category: Water & Sewer** 

**Est Completion Date:** 

Asset Type: Maintenance

Year Identified:

Capital Project Status: In Progress

#### **Capital Project Description:**

Project includes efforts to identify I/I sources and make sewer system repairs in the Jefferson and White Rock sewer basins. Field flow and TV will be collected by DUSWM Operations or a contractor. The data will be interpreted by DUSWM staff or a consultant engineer and recommendations for necessary corrections shall be made. The repairs will be made by Operations staff or a contractor.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	52,423	52,423		The February Scott Designation of the Control of th			27.00		
Construction - County Funded	150,000		150,000				and Communities a second manifestable of Mariella Describe (Mariella D		A CONTRACTOR OF THE PROPERTY O
Inspectors - County	207,302	207,302							
Overhead	66,000	16,000	50,000					A CONTRACTOR OF THE PROPERTY O	
Total Cost:	475,725	275,725	200,000						

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	53,300	33,300	20,000	o Virginio charlles Promitives de mentre de marches	Annual Control of the				
Trans from W/S System Develop	422,425	242,425	180,000		And the state of t	Constitution of the Consti		<u>.</u>	
Total Cost:	475,725	275,725	200,000			1000			



Capital Project Number: WS1054

Activity #: 11340.1105.01

Capital Project Title: New Market West WTP Bypass

Region: New Market

Asset Category: Water & Sewer

Est Completion Date: 10/1/2020

Asset Type: Maintenance

Year Identified: 2020

**Capital Project Status: Active** 

#### Capital Project Description:

The project includes design and construction services required to install a 12" water main bypass around the New Market West Water Treatment Plant that is no longer in operation.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	42,000		42,000						
Construction - County Funded	110,000	n (1 h. garmennet en martiel filos Pessollines, dellissibili en del	110,000	e en el la la esta esta en una en		redramation destruction en accuración de la company de la			
Inspectors - County	7,000		7,000	teka dalam terjah sajitan di tekampi neghtiji penyatop ya dan	- North Control of the Control of th	er de Martindier in et oanskroonwelke kom rogerde			
Overhead .	41,000		41,000						
Total Cost:	200,000		200,000						

	Project	Prior							
Categories	Total	Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	200,000		200,000						
Total Cost:	200,000		200,000						The Markets



Capital Project Number: WS1101

Activity #: 81786.3999.01

Capital Project Title: DUSWM Maintenance Systemics -

Region: Countywide

Ballenger Wastewater

Asset Category: Water & Sewer

Est Completion Date: 6/27/2025

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

#### **Capital Project Description:**

This project anticipates maintenance/systemic needs required for aging County wastewater systems in the Ballenger-McKinney WWTP service area: roof replacement, pavement repair/overlay/sealcoating, large HVAC replacement/upgrade, generator repair/replacement, building envelope improvements such as door and window replacements, large pump repairs/replacement, plant and pump station controls/PLC replacement/upgrades, large component treatment works piping and equipment repair/replacement, pump repair/replacement, low pressure system replacements/upgrades. For FY2020, priority is the MBR Permeate Pipe Replacement at Ballenger-McKinney WWTP.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	764,000	100,000	104,000	108,000	110,000	112,000	115,000	115,000	
Construction - County Funded	1,850,000	350,000	250,000	250,000	250,000	250,000	250,000	250,000	
Overhead	70,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
Total Cost:	2,684,000	460,000	364,000	368,000	370,000	372,000	375,000	375,000	

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	2,684,000	460,000	364,000	368,000	370,000	372,000	375,000	375,000	
Total Cost:	2,684,000	460,000	364,000	368,000	370,000	372,000	375,000	375,000	



Capital Project Number: WS1102

Activity #: 81782.3999.01

Capital Project Title: DUSWM Maintenance Systemics -

Region: Countywide

**Small Systems Wastewater** 

Asset Category: Water & Sewer

**Est Completion Date:** 

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

#### **Capital Project Description:**

This project anticipates maintenance/systemic needs required for aging County wastewater systems outside the Ballenger-McKinney WWTP service area. These regional systems are considered "small systems": roof replacement, pavement repair/replacement, generator repair/replacement, building envelope improvements such as door and window replacements, pump repairs/replacements, plant and pump station controls/PLC replacement/upgrades, treatment works piping and equipment repair/replacement, low pressure sewer system replacement/upgrades. For FY2020, priorities are evaluation and repairs to the Point of Rocks and Crestview WWTPs and the Knoxville low pressure sewer system.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	889,000	125,000	139,000	125,000	125,000	125,000	125,000	125,000	
Construction - County Funded	2,465,000	300,000	915,000	250,000	250,000	250,000	250,000	250,000	ad teruru ta attatonistadoanist izaz a tantono
Overhead	166,000	10,000	106,000	10,000	10,000	10,000	10,000	10,000	THE PERSON OF COMM.
Total Cost:	3,520,000	435,000	1,160,000	385,000	385,000	385,000	385,000	385,000	

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	3,520,000	435,000	1,160,000	385,000	385,000	385,000	385,000	385,000	
Total Cost:	3,520,000	435,000	1,160,000	385,000	385,000	385,000	385,000	385,000	



Capital Project Number: WS1108

Activity #: 81581.3999.01

Capital Project Title: DUSWM Maintenance Systemics -

Region: Countywide

Water

Asset Category: Water & Sewer

Est Completion Date: 6/27/2025

Asset Type: Maintenance

Year Identified: 2019

**Capital Project Status: Active** 

#### **Capital Project Description:**

This project anticipates maintenance/systemic needs required for aging County water systems: roof replacement, pavement repair/overlay/sealcoating, larger HVAC replacement/upgrade, generator repair/replacement, building envelope improvements such as door and window replacements, large meter replacements, large pump repairs/replacement, plant and station controls/PLC replacement/upgrades, and water storage tank repairs. For FY 2020, priorities are East County BPS 3rd pump, Ball Road BPS pump and controls replacement; Cambridge Farms Water Storage Tank rehabilitation; East County PS PLC replacement; and initiation of the Commercial Meter replacement program.

#### Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	1,015,000	250,000	125,000	125,000	125,000	130,000	130,000	130,000	
Construction - County Funded	2,416,000	680,000	450,000	250,000	250,000	262,000	262,000	262,000	
Overhead	70,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
Total Cost:	3,501,000	940,000	585,000	385,000	385,000	402,000	402,000	402,000	

			2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund 3,501,00	940,000	585,000	385,000	385,000	402,000	402,000	402,000	
Total Cost: 3,501,00	940,000	585,000	385,000	385,000	402,000	402,000	402,000	

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